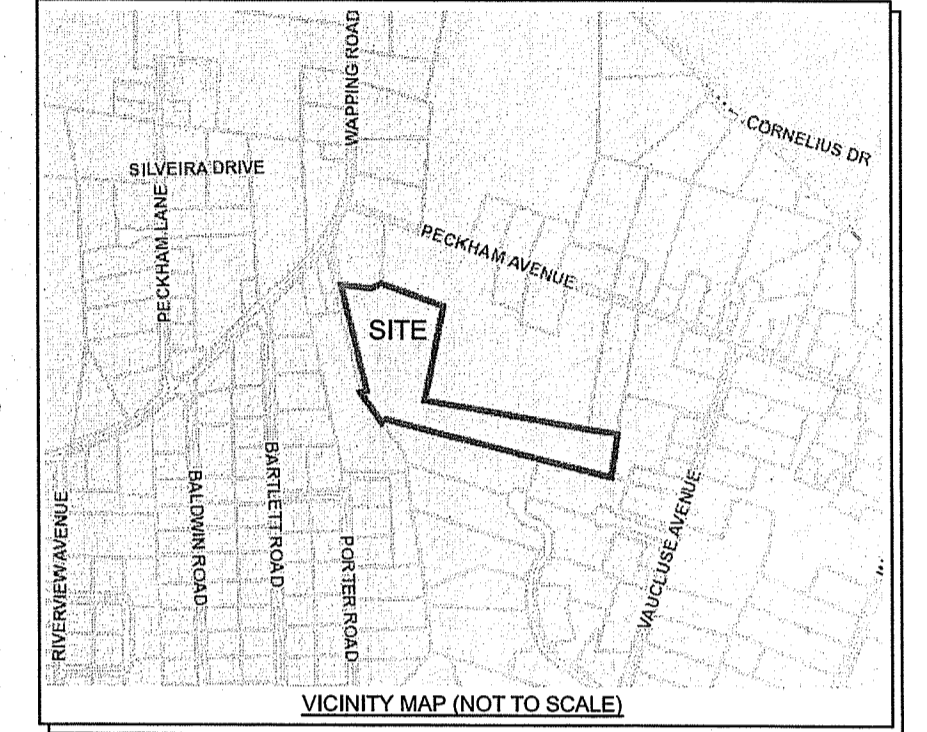


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RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: JUL 25 2024 FILE #: 22-0317
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE.

Signature: D. Wemca

No.	Revision	Date	App.
1	UPDATED EXISTING CONDITIONS	01JUN23	

Designed by: JJR Drawn by: JJR Checked by: GES
Scale: 1" = 50' Date: 28MAR23

Project Title:
A.P. 129, LOT 30
14 LITTLE CREEK LANE
MIDDLETOWN, RHODE ISLAND

Client/Owner:
BRYAN HOFFMAN
4 POPLAR STREET
WILMINGTON, MA 01887

Issued for:
PERMITTING

Drawing Title:

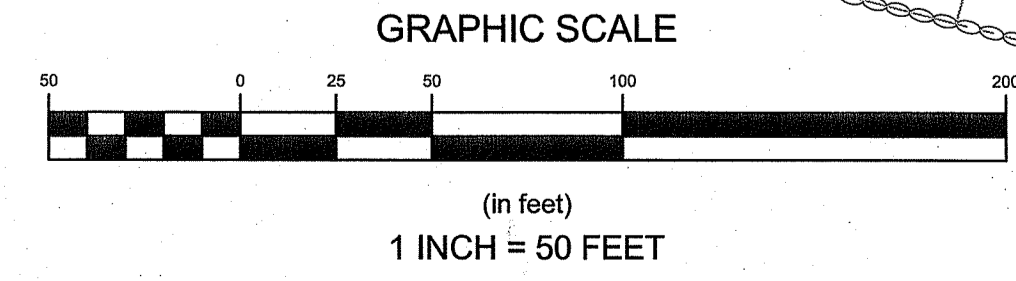
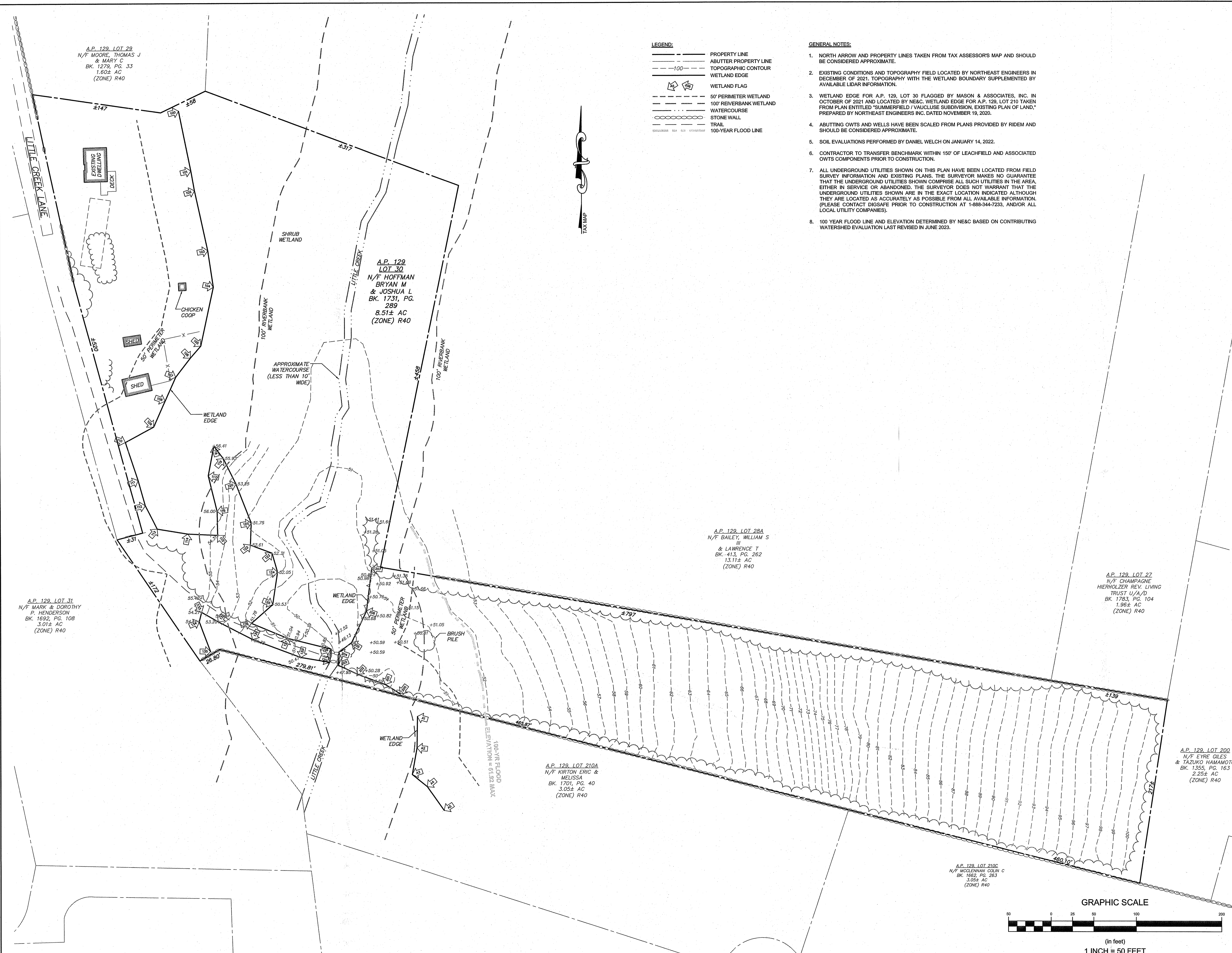
EXISTING CONDITIONS PLAN
JUL 17 2023

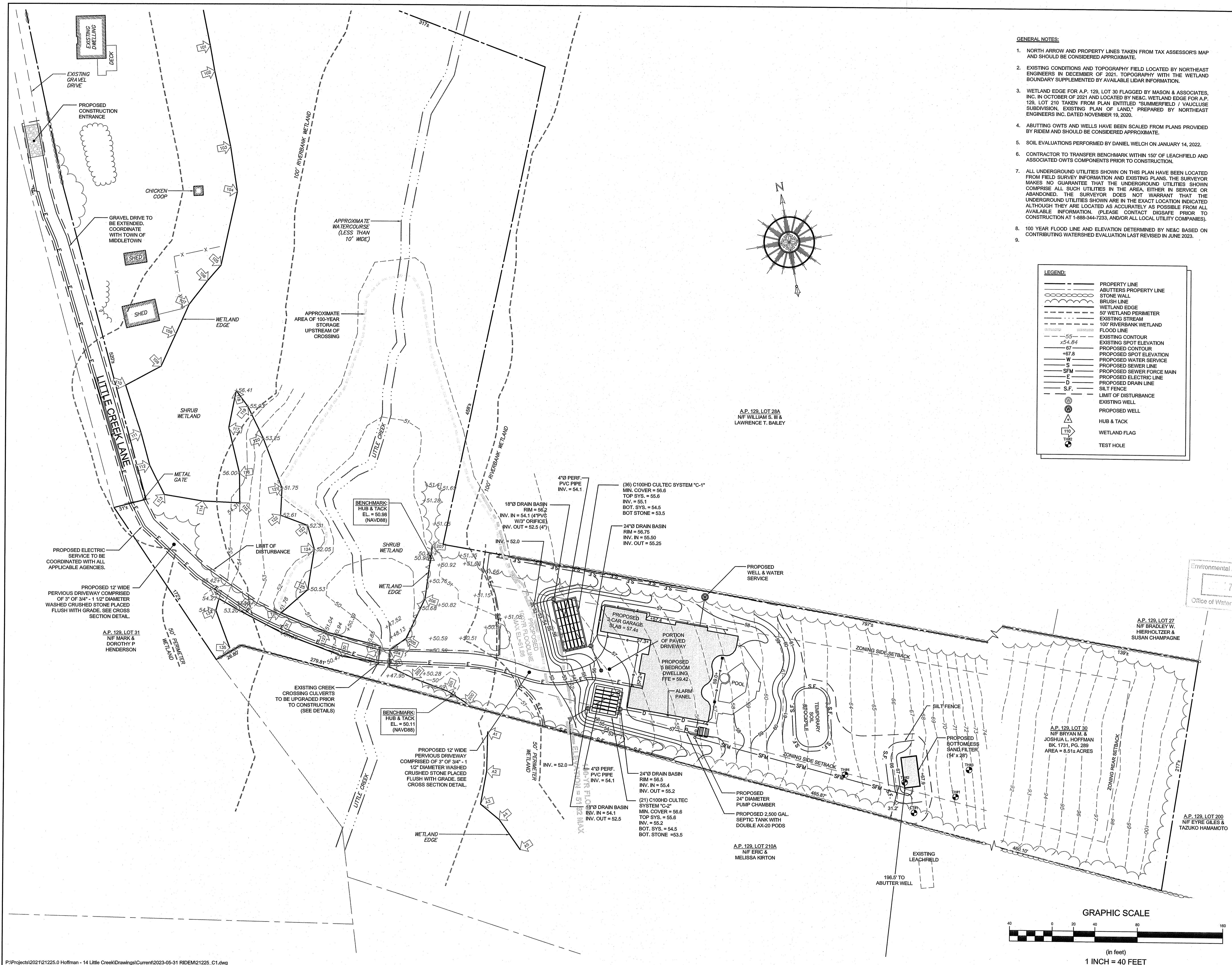
Office of Water Resources	Drawing Number: C-1
JEREMY J. ROSA No. 9826 REGISTERED PROFESSIONAL ENGINEER CIVIL	Sheet 1 of 5
	Project Number: 21225.0
	Survey Index: 13 - 129 - 30

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- LEGEND:**
- PROPERTY LINE
 - - - ABUTTING PROPERTY LINE
 - - - TOPOGRAPHIC CONTOUR
 - - - WETLAND EDGE
 - WETLAND FLAG
 - 50' PERIMETER WETLAND
 - 100' RIVERBANK WETLAND
 - WATERCOURSE
 - STONE WALL
 - TRAIL
 - 100-YEAR FLOOD LINE

- GENERAL NOTES:**
- NORTH ARROW AND PROPERTY LINES TAKEN FROM TAX ASSESSOR'S MAP AND SHOULD BE CONSIDERED APPROXIMATE.
 - EXISTING CONDITIONS AND TOPOGRAPHY FIELD LOCATED BY NORTHEAST ENGINEERS IN DECEMBER OF 2021. TOPOGRAPHY WITH THE WETLAND BOUNDARY SUPPLEMENTED BY AVAILABLE LIDAR INFORMATION.
 - WETLAND EDGE FOR A.P. 129, LOT 30 FLAGGED BY MASON & ASSOCIATES, INC. IN OCTOBER OF 2021 AND LOCATED BY NESAC. WETLAND EDGE FOR A.P. 129, LOT 210 TAKEN FROM PLAN ENTITLED "SUMMERFIELD VAUCLUSE SUBDIVISION, EXISTING PLAN OF LAND," PREPARED BY NORTHEAST ENGINEERS INC. DATED NOVEMBER 19, 2020.
 - ABUTTING OWTS AND WELLS HAVE BEEN SCALED FROM PLANS PROVIDED BY RIDEM AND SHOULD BE CONSIDERED APPROXIMATE.
 - SOIL EVALUATIONS PERFORMED BY DANIEL WELCH ON JANUARY 14, 2022.
 - CONTRACTOR TO TRANSFER BENCHMARK WITHIN 150' OF LEACHFIELD AND ASSOCIATED OWTS COMPONENTS PRIOR TO CONSTRUCTION.
 - ALL UNDERGROUND UTILITIES SHOWN ON THIS PLAN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING PLANS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM ALL AVAILABLE INFORMATION. (PLEASE CONTACT DIGSAFE PRIOR TO CONSTRUCTION AT 1-888-344-7233, AND/OR ALL LOCAL UTILITY COMPANIES).
 - 100 YEAR FLOOD LINE AND ELEVATION DETERMINED BY NESAC BASED ON CONTRIBUTING WATERSHED EVALUATION LAST REVISED IN JUNE 2023.





- GENERAL NOTES:**
1. NORTH ARROW AND PROPERTY LINES TAKEN FROM TAX ASSESSOR'S MAP AND SHOULD BE CONSIDERED APPROXIMATE.
 2. EXISTING CONDITIONS AND TOPOGRAPHY FIELD LOCATED BY NORTHEAST ENGINEERS IN DECEMBER OF 2021. TOPOGRAPHY WITH THE WETLAND BOUNDARY SUPPLEMENTED BY AVAILABLE LIDAR INFORMATION.
 3. WETLAND EDGE FOR A.P. 129, LOT 30 FLAGGED BY MASON & ASSOCIATES, INC. IN OCTOBER OF 2021 AND LOCATED BY NE&C WETLAND EDGE FOR A.P. 129, LOT 210 TAKEN FROM PLAN ENTITLED "SUMMERFIELD I VALUCLISE SUBDIVISION, EXISTING PLAN OF LAND," PREPARED BY NORTHEAST ENGINEERS INC. DATED NOVEMBER 19, 2020.
 4. ABUTTING OWTS AND WELLS HAVE BEEN SCALED FROM PLANS PROVIDED BY RIDEM AND SHOULD BE CONSIDERED APPROXIMATE.
 5. SOIL EVALUATIONS PERFORMED BY DANIEL WELCH ON JANUARY 14, 2022.
 6. CONTRACTOR TO TRANSFER BENCHMARK WITHIN 150' OF LEACHFIELD AND ASSOCIATED OWTS COMPONENTS PRIOR TO CONSTRUCTION.
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 8. 100 YEAR FLOOD LINE AND ELEVATION DETERMINED BY NE&C BASED ON CONTRIBUTING WATERSHED EVALUATION LAST REVISED IN JUNE 2023.
 - 9.

LEGEND:

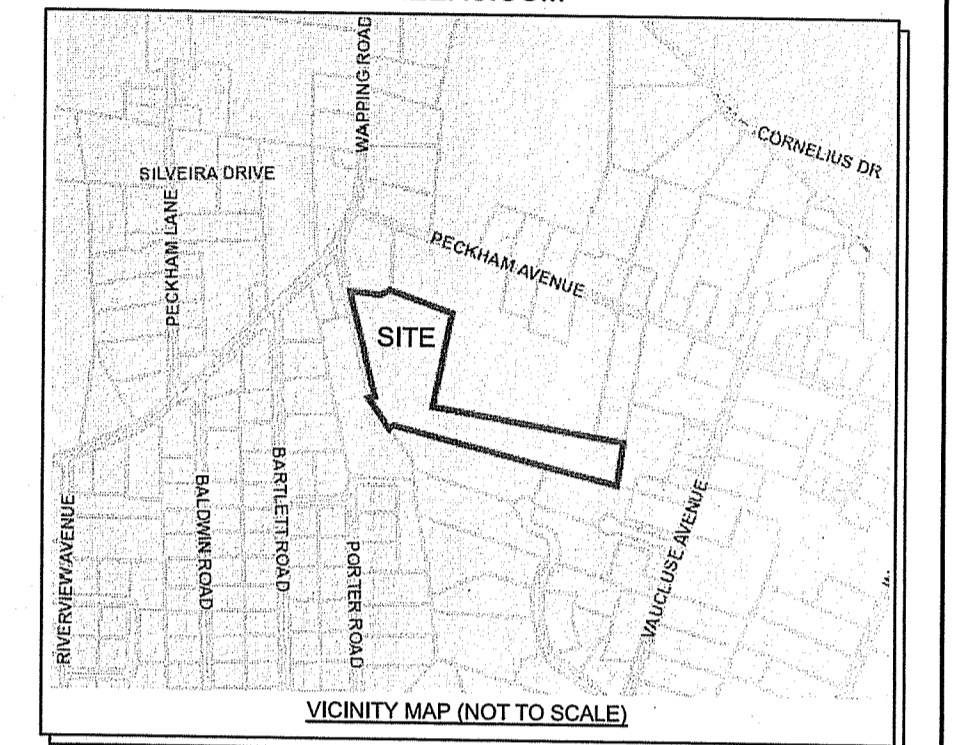
---	PROPERTY LINE
- - - -	ADJUTERS PROPERTY LINE
—	STONE WALL
—	BRUSH LINE
—	WETLAND EDGE
—	50' WETLAND PERIMETER
—	EXISTING STREAM
—	100' RIVERBANK WETLAND
—	FLOOD LINE
—	EXISTING CONTOUR
x54.84	EXISTING SPOT ELEVATION
67	PROPOSED CONTOUR
47.8	PROPOSED SPOT ELEVATION
W	PROPOSED WATER SERVICE
S	PROPOSED SEWER LINE
SFM	PROPOSED SEWER FORCE MAIN
E	PROPOSED ELECTRIC LINE
D	PROPOSED DRAIN LINE
S.F.	LIMIT OF DISTURBANCE
○	EXISTING WELL
○	PROPOSED WELL
△	HUB & TACK
□	WETLAND FLAG
○	TEST HOLE

NORTHEAST ENGINEERS & CONSULTANTS, INC.

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OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: JUL 25 2024 FILE #: 22-0317
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APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Yvette D. Wencel

2	RIDEM REVISIONS	01JUN23	
1	RIDEM REVISIONS	31OCT22	
No.	Revision	Date	App.
Designed By	DJW/JJR	Drawn by: DJW/JJR	Checked by: GES
Scale:	1" = 40'	Date:	27JUN22

**A.P. 129, LOT 30
14 LITTLE CREEK LANE
MIDDLETOWN, RHODE ISLAND**

Client/Owner:
**BRYAN HOFFMAN
4 POPLAR STREET
WILMINGTON, MA 01887**

Issued for:
RIDEM

Drawing Title:
**PROPOSED
CONDITIONS PLAN**

JEREMY J. ROSA
No. 9826
6/1/23
REGISTERED PROFESSIONAL ENGINEER CIVIL

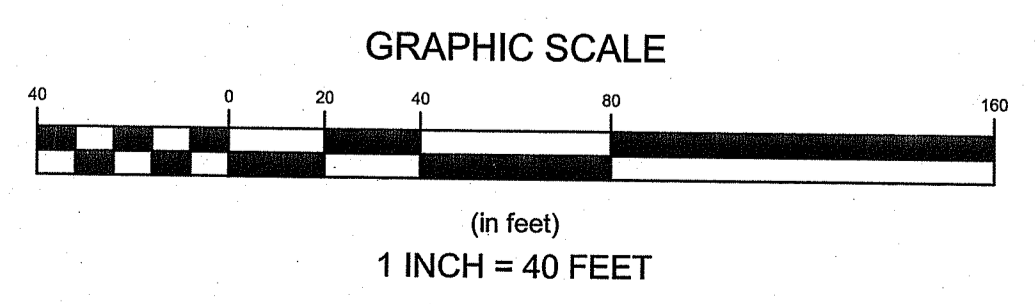
Drawing Number:
C-2

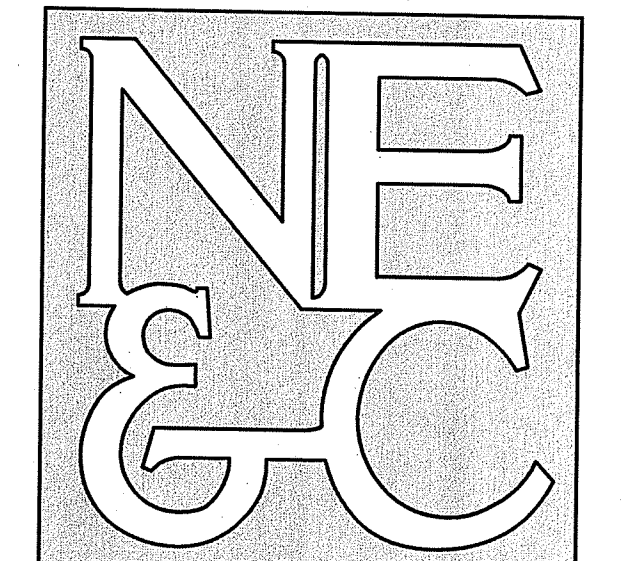
Sheet **2** of **5**

Project Number:
21225.0

Survey Index:
13 - 129 - 30

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Environmental Management
 JUL 17 2024
 Office of Water Resources

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED: JUL - 25 2024 FILE #: 22-0317
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Wants: D. Wamser

WATER QUALITY CALCULATIONS

NEW IMPERVIOUS REQ. WQ	AREA	WQ REQUIRED
DWELLING & PORCHES	6,696 SF	558 CF
PAVED DRIVEWAY	2,362 SF	197 CF
TOTAL IMPERVIOUS REQ. WQ	9,058 SF	755 CF

EACH CULTEC C100-HD CHAMBER PROVIDES 28.8 CF OF INSTALLED STORAGE (INCLUDING STONE)
 57 TOTAL UNITS PROVIDED = 1,642 CF

No.	REVISIONS	31OCT22
1	Revision	Date App.

Designed By: DJW Drawn by: DJW/JBS Checked by: GES
 Scale: AS SHOWN Date: 27JUN22

Project Title:
A.P. 129, LOT 30
14 LITTLE CREEK LANE
 MIDDLETOWN, RHODE ISLAND

Client/Owner:
BRYAN HOFFMAN
 4 POPLAR STREET
 WILMINGTON, MA 01887

Issued for:
RIDEM

Drawing Title:
SESC DETAILS

Drawing Number:
C-3

Sheet **3** of **5**

Project Number:
21225.0

Survey Index:
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SOIL EROSION AND SEDIMENT CONTROL NOTES

1. CONSTRUCTION SEQUENCE

- DO NOT BEGIN CONSTRUCTION UNTIL ALL LOCAL, STATE, AND FEDERAL PERMITS HAVE BEEN APPLIED FOR AND RECEIVED. CONTRACTOR/OWNER SHALL NOTIFY THE TOWN OF MIDDLETOWN BUILDING OFFICIAL IN ADVANCE OF HIS INTENT TO BEGIN CONSTRUCTION.
- CONSTRUCTION TRAFFIC SHALL ENTER AND EXIT THE SITE VIA THE CONSTRUCTION ENTRANCE BUILT PER THE DETAIL PROVIDED.
- INSTALL FILTER SOCKS AS INDICATED ON THE DRAWINGS TO CONTROL EROSION AND PREVENT SEDIMENT CONTAMINATION OF DOWNSTREAM AREAS PRIOR TO ANY EARTH MOVING ACTIVITIES. EROSION CONTROLS SHALL BE IN PLACE BEFORE ANY OTHER SITE WORK IS UNDERTAKEN.
- AREAS OF PROPOSED DRAINAGE SYSTEMS AND OWTS SHALL BE DELINEATED PRIOR TO ANY WORK PERFORMED ON SITE. CONSTRUCTION TRAFFIC AND STOCKPILING SHALL BE AVOIDED IN THESE AREAS.
- REMOVE TREES AND VEGETATION ONLY WHERE NECESSARY. ALL STUMPS TO BE GROUND OR DISPOSED OF OFF-SITE.
- ROUGH GRADE SITE AS SHOWN. ONLY THOSE AREAS UNDER CONSTRUCTION WILL BE DISTURBED BY EARTHWORK. THE REMAINDER OF THE LOT WILL NOT BE STRIPPED OR DISTURBED UNTIL CONTRACTOR IS DONE WITH THE RESIDENCE CONSTRUCTION AND READY FOR THE FINAL LAWN / LANDSCAPING INSTALLATION.
- TEMPORARY SOIL STOCKPILES SHALL BE PROTECTED WITH ADDITIONAL EROSION CONTROL MEASURES AS NECESSARY.
- EXCAVATE FOR FOUNDATION. BEGIN RESIDENCE CONSTRUCTION.
- INSTALL AND CONNECT UTILITY SERVICES. CONSTRUCT APPROVED DRAINAGE SYSTEMS.
- ESTABLISH A VEGETATIVE GROWTH THAT MEETS THE APPROVAL OF THE TOWN BUILDING OFFICIAL. COMPLETE AREAS OF LANDSCAPING.
- UPON COMPLETION OF CONSTRUCTION AND PRIOR TO REMOVAL OF EROSION & SEDIMENT CONTROLS, CONTRACTOR SHALL CONTACT THE BUILDING OFFICIAL FOR A FINAL INSPECTION.
- MAINTAIN SITE IN ACCORDANCE WITH THE MAINTENANCE NOTES. EROSION CONTROLS MUST BE MAINTAINED AND REMAIN IN PLACE UNTIL THE LAWN HAS RECEIVED TWO (2) MOWINGS.

2. EARTHWORK NOTES:

- DURING CONSTRUCTION AND THEREAFTER, EROSION CONTROL MEASURES ARE TO BE IMPLEMENTED AS NOTED. ONLY THE SMALLEST PRACTICAL AREA OF LAND SHOULD BE EXPOSED AT ANY ONE TIME DURING DEVELOPMENT. WHEN LAND IS EXPOSED DURING DEVELOPMENT, THE EXPOSURE SHOULD BE KEPT TO THE SHORTEST PRACTICAL PERIOD OF TIME.
- PROPOSED DRAINAGE AREAS AND PROPOSED OWTS AREA SHALL NOT BE USED FOR STOCKPILES OR STORAGE OF MATERIALS OR EQUIPMENT.
- ANY DISTURBED AREAS WHICH ARE TO BE LEFT TEMPORARILY AND WHICH WILL BE REGRADED LATER DURING CONSTRUCTION SHALL BE STABILIZED WITHIN FOURTEEN DAYS IN ACCORDANCE WITH TEMPORARY MEASURES IN THE VEGETATIVE PRACTICE NOTES.
- AREAS TO BE FILLED SHALL BE CLEARED, GRUBBED, AND STRIPPED OF TOP SOIL TO REMOVE VEGETATION, ROOTS, AND ANY OTHER OBJECTIONABLE MATERIAL.
- ALL FILL SHALL BE COMPACTED TO 95% MAX. DENSITY TO REDUCE EROSION, SLIPPAGE, SETTLEMENT SUBSIDENCE, OR OTHER RELATED PROBLEMS.
- FILL INTENDED TO SUPPORT BUILDING STRUCTURES AND CONDUITS, ETC., SHALL BE COMPACTED IN ACCORDANCE WITH LOCAL CODES AND SPECIFICATIONS.
- ALL FILL SHALL BE PLACED IN LAYERS NOT TO EXCEED 12" IN THICKNESS FILLS.
- FILL MATERIAL SHALL BE FREE OF BRUSH, RUBBISH, ROCKS, LOGS, STUMPS, BUILDING DEBRIS, AND OTHER OBJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS.
- FROZEN, SOFT, MUCKY, OR HIGHLY COMPRESSIBLE MATERIAL SHALL NOT BE INCORPORATED INTO FILLS.
- FILL SHALL NOT BE PLACED ON A FROZEN FOUNDATION SUBGRADE.
- SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER.
- ALL DISTURBED AREAS SHALL BE STABILIZED WITHIN 14 DAYS OF FINISH GRADING IN ACCORDANCE WITH THE VEGETATIVE PRACTICE NOTES.
- EXCESS QUANTITIES OF SOIL WILL BE REMOVED FROM SITE BY CONTRACTOR AND DISPOSED OF IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS.

3. VEGETATIVE PRACTICE:

PERMANENT MEASURES:

- EROSION CONTROL BLANKET SHALL BE INSTALLED ON ANY SLOPES STEEPER THAN 3:1 (SEE PLAN).
- A MINIMUM OF 4" OF LOAM SHALL BE INSTALLED. THE LOAM SHALL BE GRADED TO A SMOOTH CONDITION AND STONES AND OTHER OBJECTS LARGER THAN 2" SHALL BE REMOVED.
- THE FOLLOWING SEEDING MIXTURE SHALL BE APPLIED AT THE INDICATED RATE UNLESS OTHERWISE APPROVED BY THE BUILDING OFFICIAL.

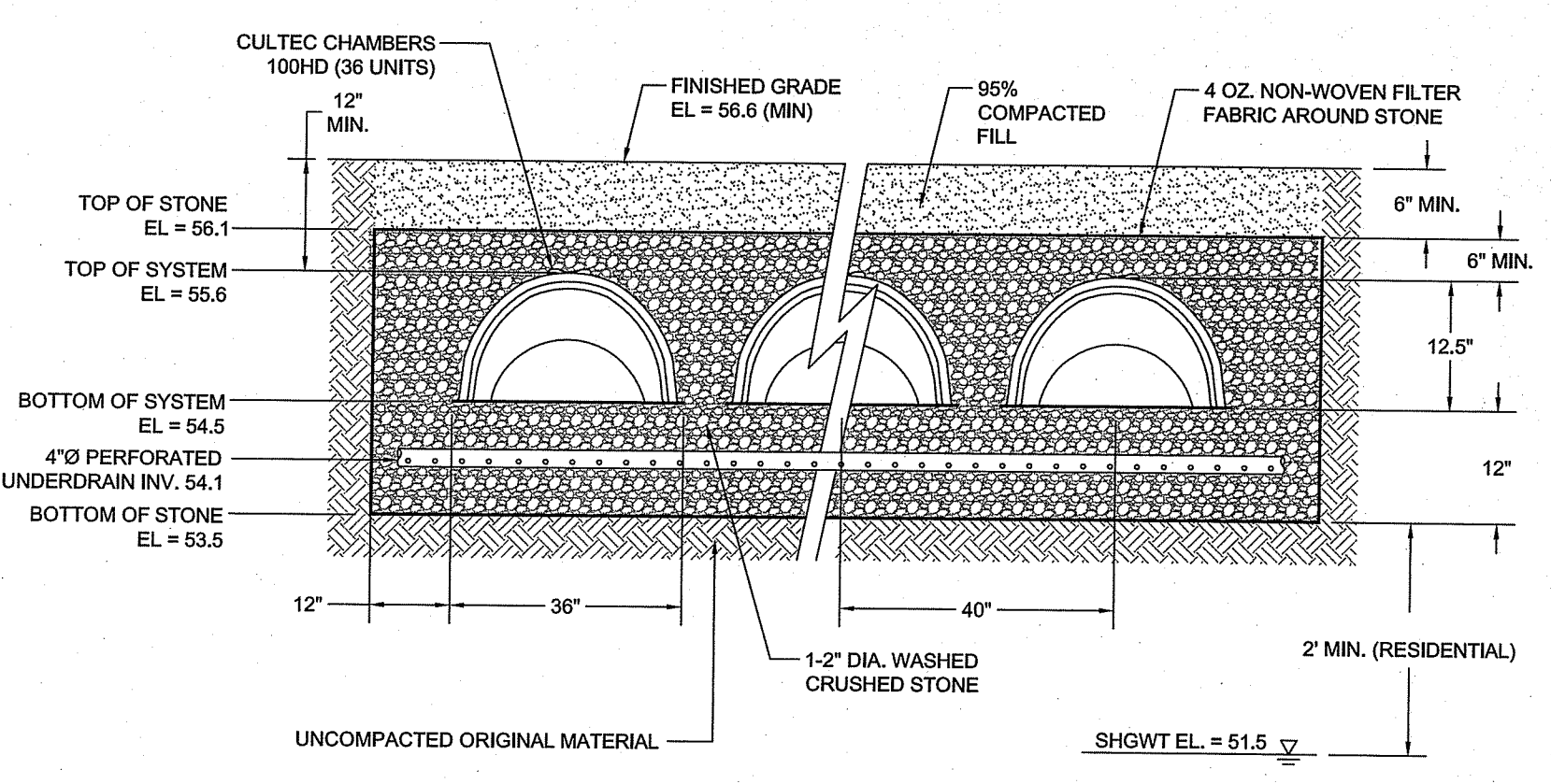
RED FESCUE:	40 LBS/ACRE
KENTUCKY BLUEGRASS:	40 LBS/ACRE
PERENNIAL RYEGRASS:	20 LBS/ACRE
- HAY MULCH SHALL BE APPLIED AT THE RATE OF 1.5 TONS/ACRE

TEMPORARY MEASURES (FOR TEMPORARY PROTECTION OF DISTURBED AREAS)

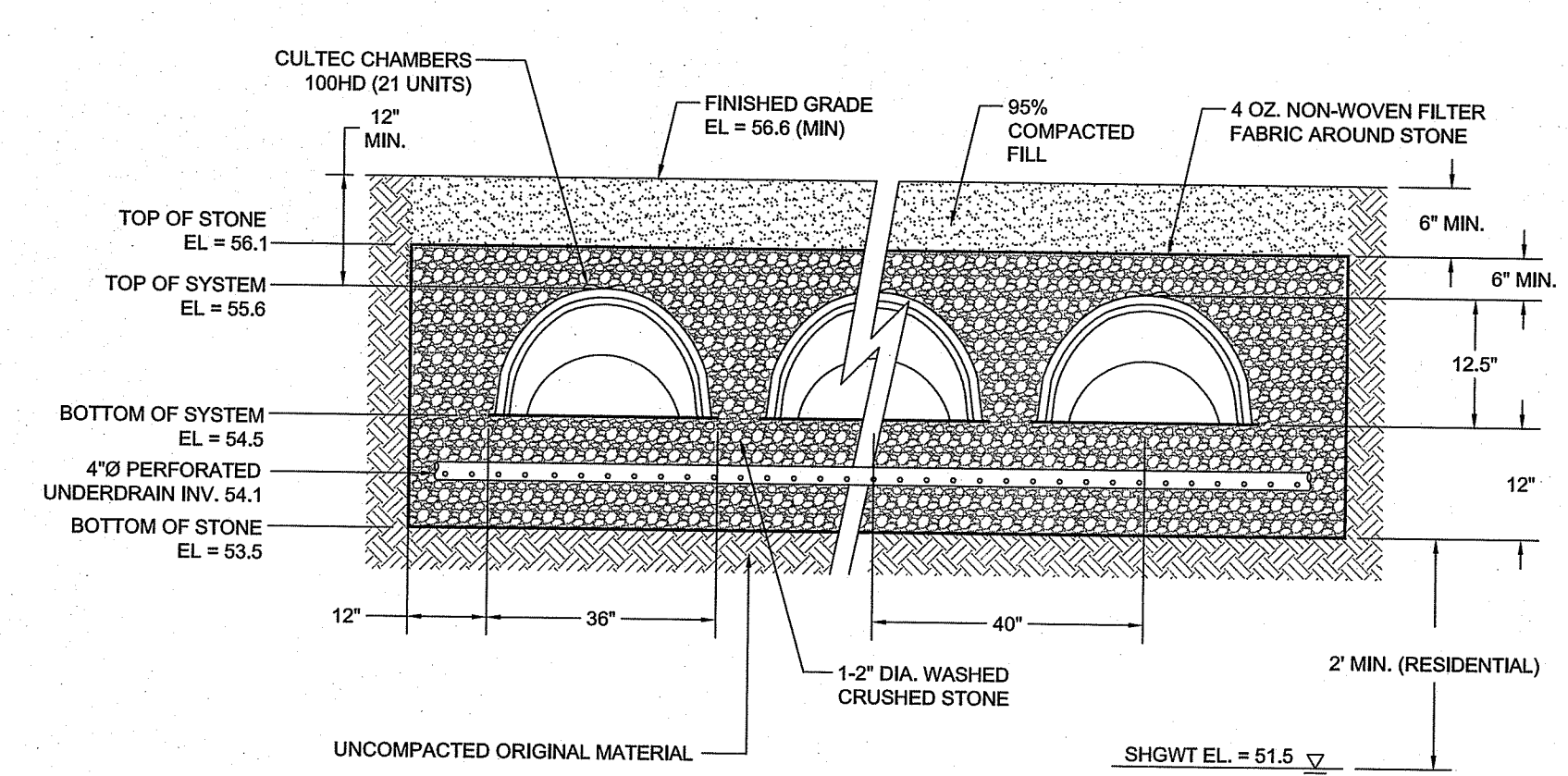
- LIMESTONE AND FERTILIZER SHALL BE APPLIED AT THE FOLLOWING RATE:
 LIMESTONE: 3 TONS/ACRE
 FERTILIZER: (10-10-10): 600 LBS/ACRE
- SEED SHALL BE APPLIED AT THE FOLLOWING RATE:
 WINTER RYE: 100 LB/ACRE
- HAY MULCH SHALL BE APPLIED AT THE RATE OF 1.5 TONS/ACRE.

5. LONG TERM STORMWATER MAINTENANCE PLAN

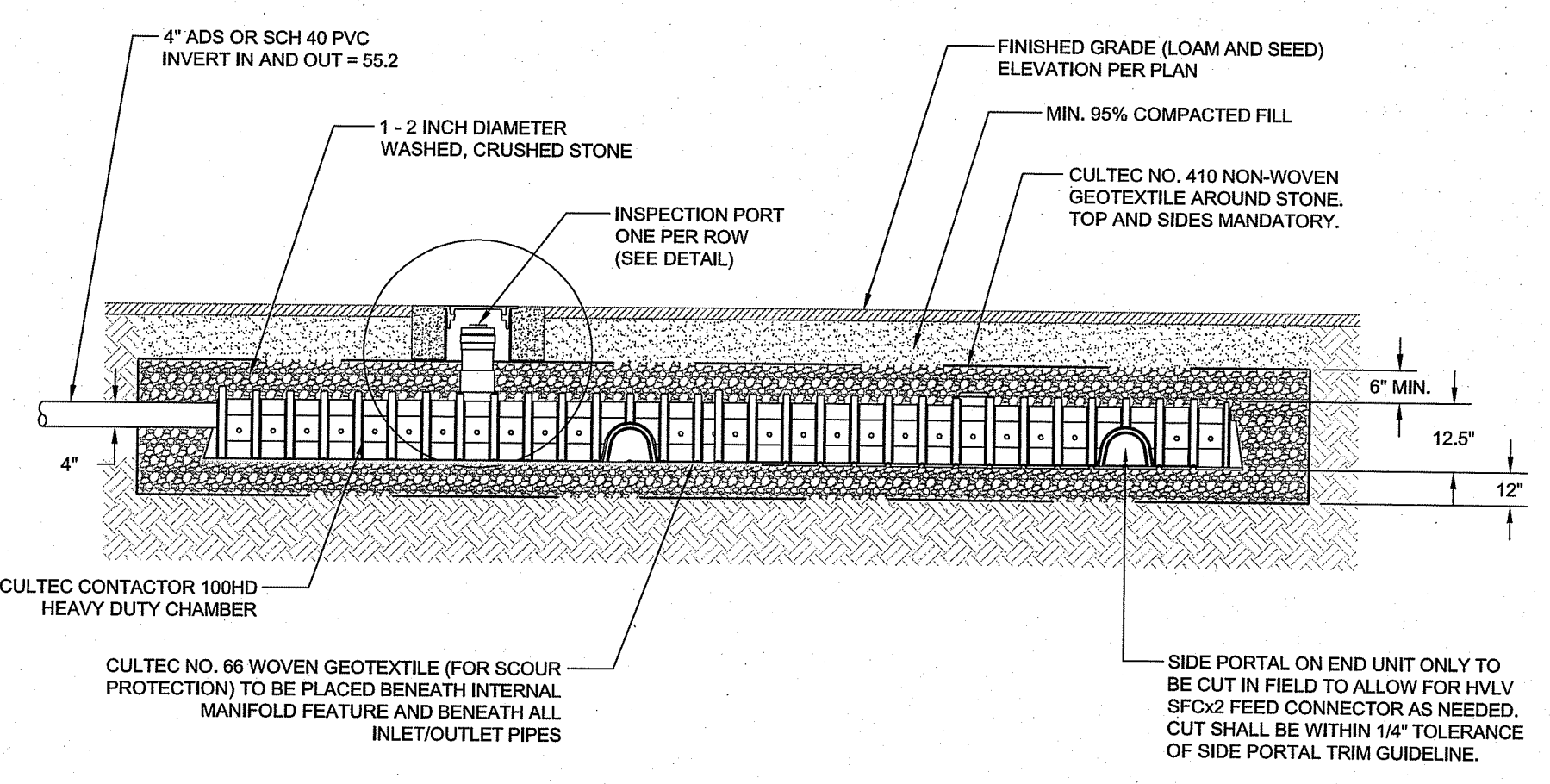
- SUBSURFACE CHAMBERS SHALL BE INSPECTED ANNUALLY FOR THE PRESENCE OF SEDIMENTS, AND EVERY SIX (6) MONTHS FOR THE FIRST YEAR OF OPERATION. SHOULD THE AVERAGE DEPTH OF SEDIMENT EXCEED 1 INCH AT THE BOTTOM OF THE CHAMBERS, THE SEDIMENT SHALL BE REMOVED AND DISPOSED OF IN A MANNER CONSISTENT WITH THE MANDATES OF THE RIDEM. THE PRESENCE OF EXCESSIVE SEDIMENTS WILL INDICATE A FAILURE IN THE ROOF LEADER DOWNSPOUTS. OWNER SHOULD CONSULT A REGISTERED PROFESSIONAL ENGINEER TO DETERMINE THE CAUSE OF THE FAILURE AND THE BEST COURSE OF ACTION TO CORRECT THE ISSUE.
- AFTER EVERY STORM EVENT OF GREATER THAN OR EQUAL THE 1-YEAR, 24-HOUR TYPE III PRECIPITATION EVENT (2.5"), IN THE FIRST SIX MONTHS AFTER CONSTRUCTION, THEN ANNUALLY, A RECORD SHALL BE KEPT OF THE TIME TO DRAIN THE CHAMBERS COMPLETELY AFTER HOURS, REPAIR ACTIVITIES SHALL BE UNDERTAKEN.
- SEDIMENTS SHALL BE REMOVED FROM THE INFILTRATION AREAS WEEKLY DURING CONSTRUCTION AND EVERY SIX (6) MONTHS FOR THE FIRST YEAR OF OPERATION. THEREAFTER SEDIMENTS SHALL BE REMOVED FROM THE INFILTRATION AREA ON AN ANNUAL BASIS. THE SEDIMENT SHALL BE DISPOSED OF IN A MANNER CONSISTENT WITH THE MANDATES OF THE RIDEM.



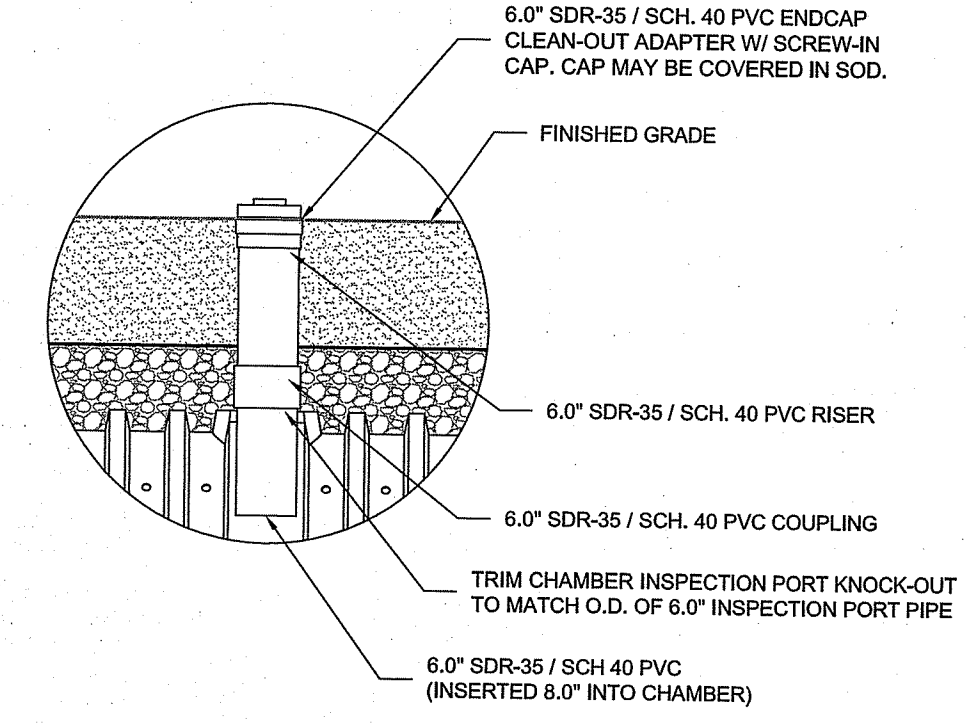
CULTEC 100HD ROOFTOP INFILTRATION SYSTEM "C-1" CROSS SECTION
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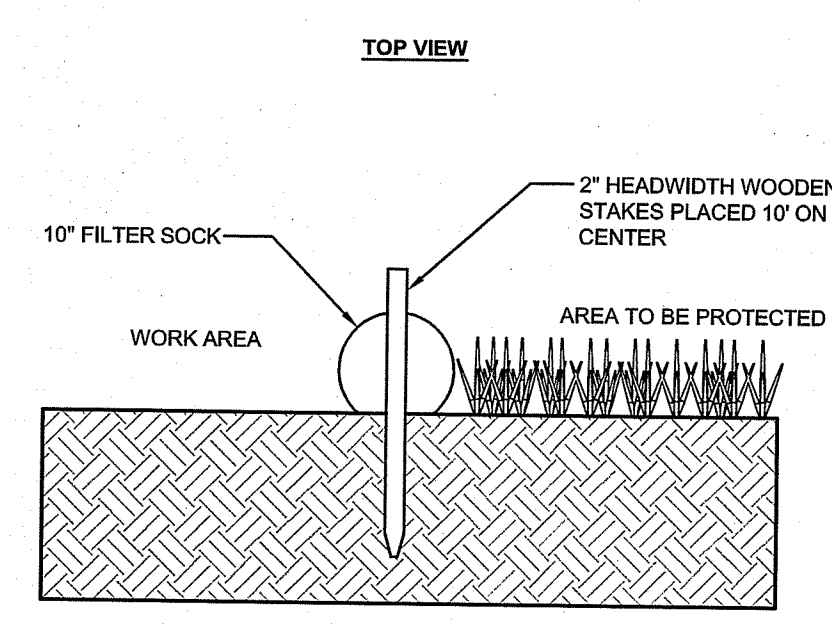
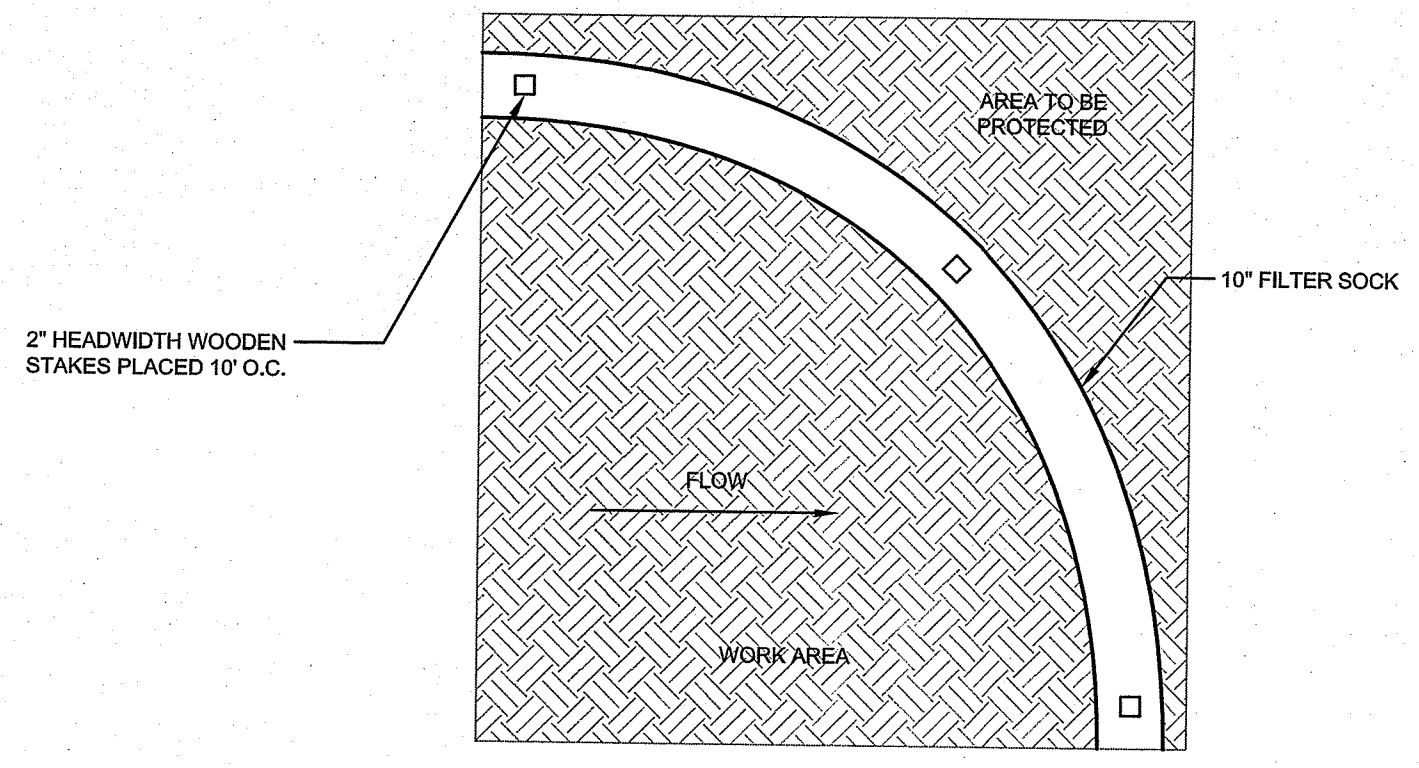
CULTEC 100HD ROOFTOP INFILTRATION SYSTEM "C-2" CROSS SECTION
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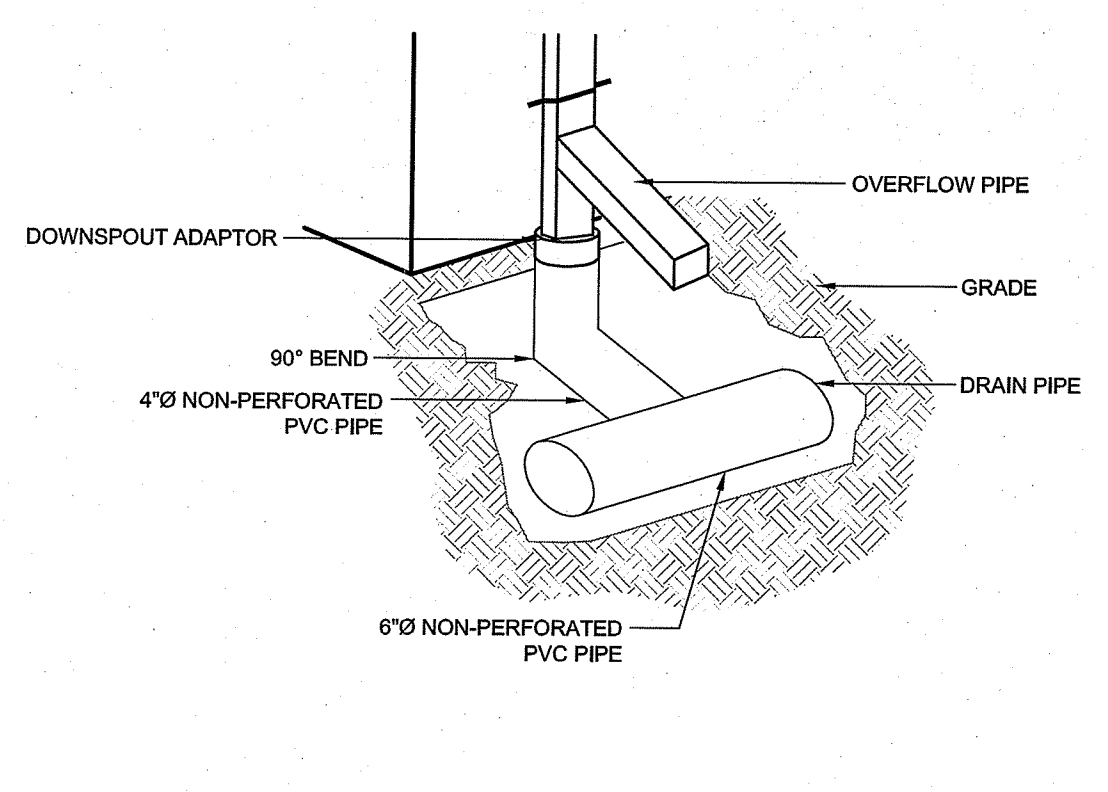
TYPICAL CULTEC 100HD INFILTRATION SYSTEM PROFILE
 SCALE: NOT TO SCALE



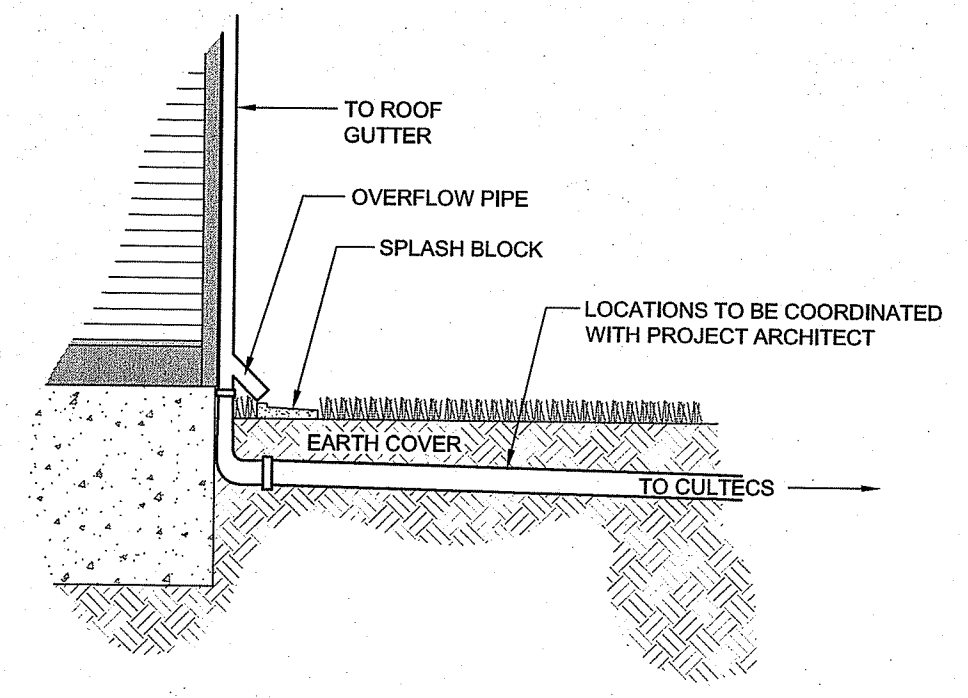
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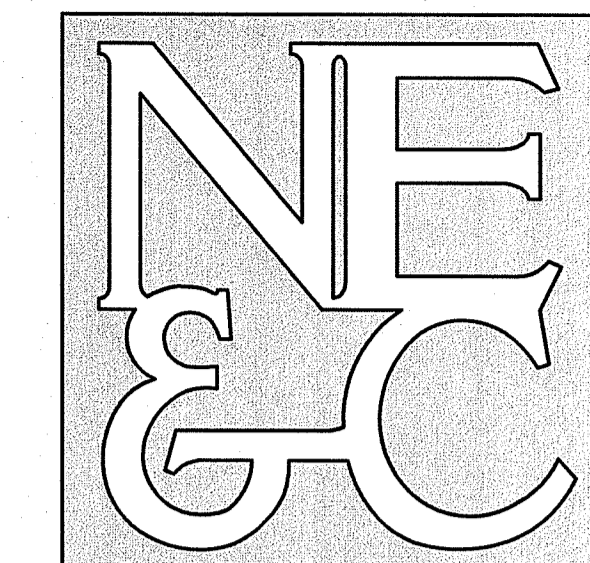


10\"/>



ROOF DOWNSPOUT DETAIL
 SCALE: NOT TO SCALE





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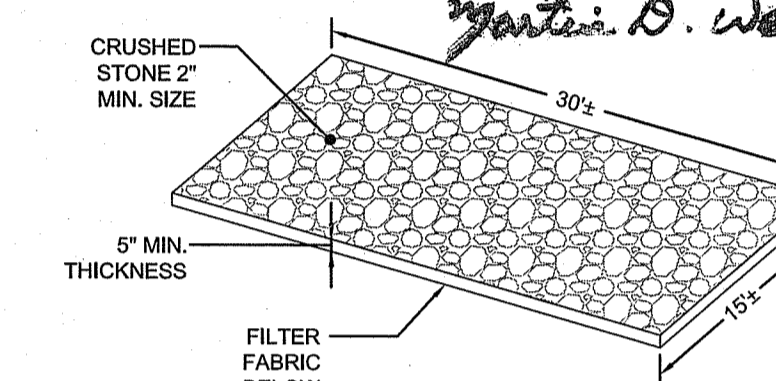
Environmental Management

JUL 17 2024

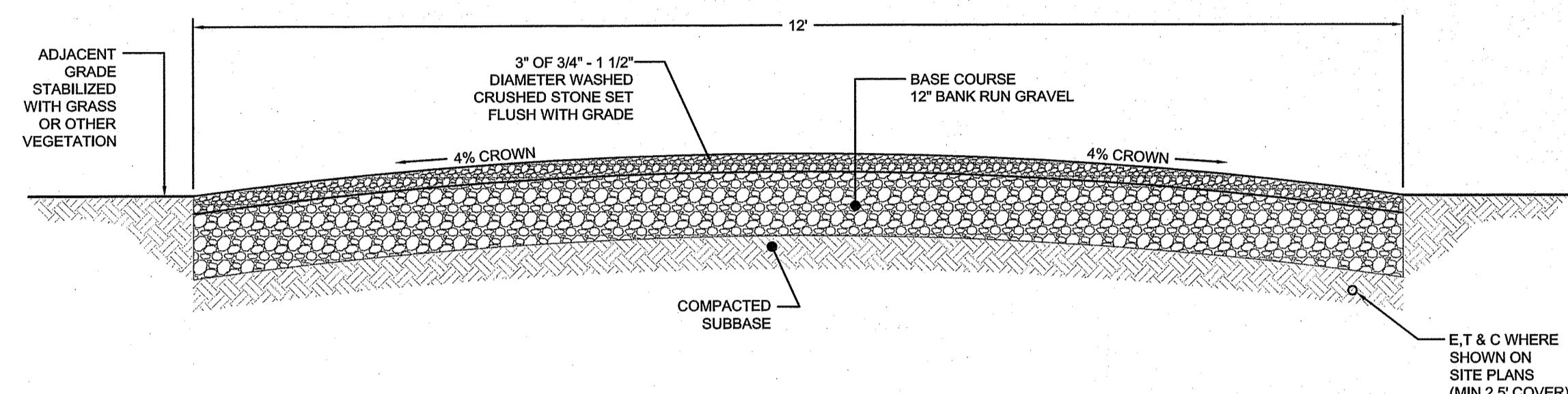
RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM

APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
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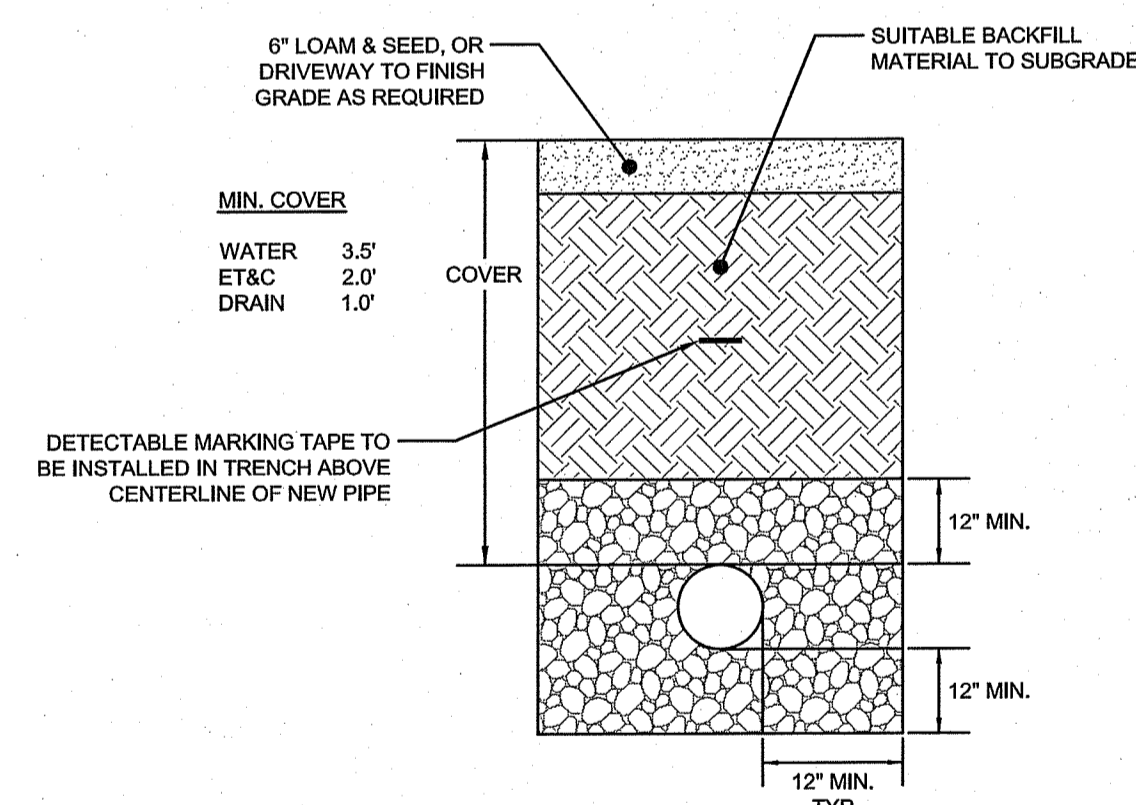
Martin D. Wenzel



CONSTRUCTION ENTRANCE
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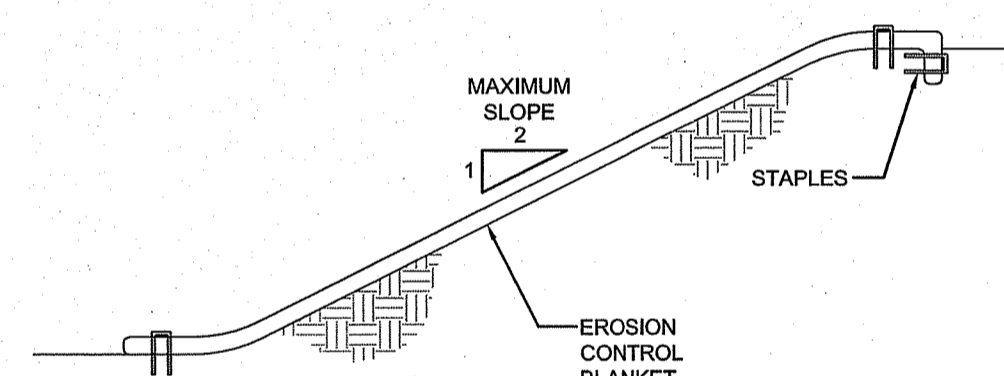
DRIVEWAY CROSS SECTION (STANDARD)
 SCALE: NOT TO SCALE



UTILITY TRENCH DETAIL
 SCALE: NOT TO SCALE

TRENCH NOTES:

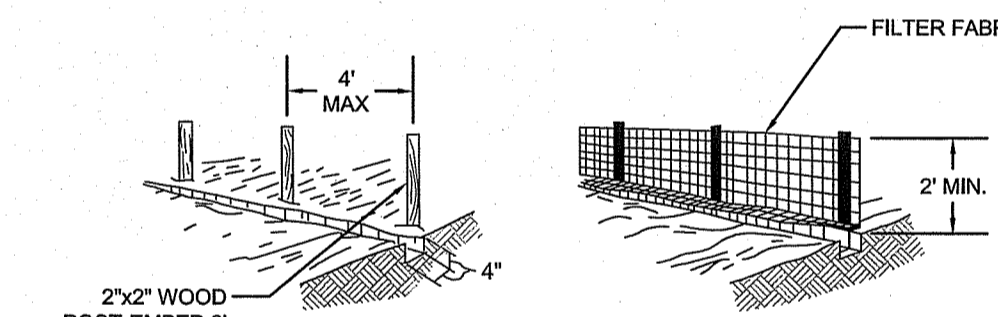
1. UNSUITABLE MATERIAL SHALL BE EXCAVATED TO A MINIMUM DEPTH OF 12-INCHES BELOW THE DESIGN INVERT ELEVATION.
2. TRENCH PROTECTION SHALL BE REQUIRED IN ACCORDANCE WITH OSHA REGULATIONS, AND AS OTHERWISE REQUIRED TO PROTECT UTILITIES, ROADWAYS, AND ADJACENT STRUCTURES.
3. DRAIN PIPES SHALL BE LAID BEGINNING AT THE DOWNSTREAM END OF THE PIPE LINE.
4. BACKFILL MATERIAL SHALL BE PLACED IN LAYERS NOT TO EXCEED 12" IN HEIGHT WHEN INSTALLED UNDER LANDSCAPED AREAS ONLY. INSTALLATIONS UNDER PAVEMENT REQUIRE BACKFILL MATERIAL TO BE PLACED IN LAYERS NOT TO EXCEED 6" IN HEIGHT. THESE LAYERS SHALL BE COMPACTED TO 95% MAXIMUM DENSITY (AASHTO T99). SUITABLE BACKFILL SHALL BE FREE OF LOAM, CLAY, ORGANIC MATTER AND PARTICLES LARGER THAN 2 INCHES IN DIAMETER.
5. UTILITY INSTALLATIONS SHALL CONFORM TO ALL REQUIREMENTS OF THE TOWN OF MIDDLETOWN PUBLIC WORKS DEPARTMENT RULES AND REGULATIONS.



NOTES:

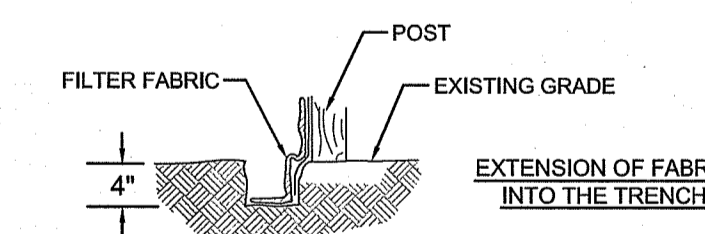
1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
3. ROLL THE BLANKETS DOWN THE SLOPE IN THE DIRECTION OF THE WATER FLOW.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2" OVERLAP.
5. WHEN BLANKETS MUST BE SPLICED DOWN THE SLOPE, PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH APPROXIMATELY 6" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART.

EROSION CONTROL BLANKET
 SCALE: NOT TO SCALE



NOTES:

1. SET POSTS AND EXCAVATE A 4" X 4" TRENCH UPSLOPE ALONG THE LINE OF POSTS.
2. STAPLE FILTER FABRIC TO THE POSTS AND EXTEND INTO TRENCH.
3. BACK FILL AND COMPACT THE EXCAVATED SOIL INTO THE TRENCH.



SILT FENCE
 SCALE: NOT TO SCALE

No.	Revision	Date	App.
1	RIDEM REVISIONS	31OCT22	

Designed By: DJW/JJR Drawn by: DJW/JJR Checked by: GES

Scale: AS SHOWN Date: 27JUN22

Project Title:
A.P. 129, LOT 30
14 LITTLE CREEK LANE
 MIDDLETOWN, RHODE ISLAND

Client/Owner:
BRYAN HOFFMAN
4 POPLAR STREET
 WILMINGTON, MA 01887

Issued for:
 RIDEM

Drawing Title:
SESC DETAILS

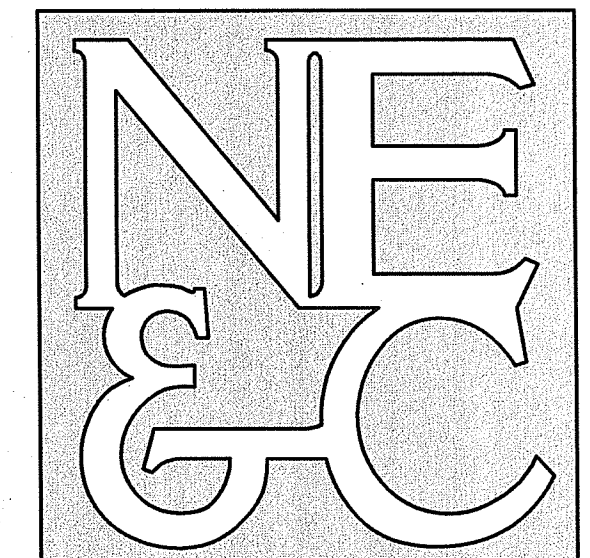
Drawing Number:
C-4

Sheet **4** of **5**

Project Number:
21225.0

Survey Index:
13 - 129 - 30

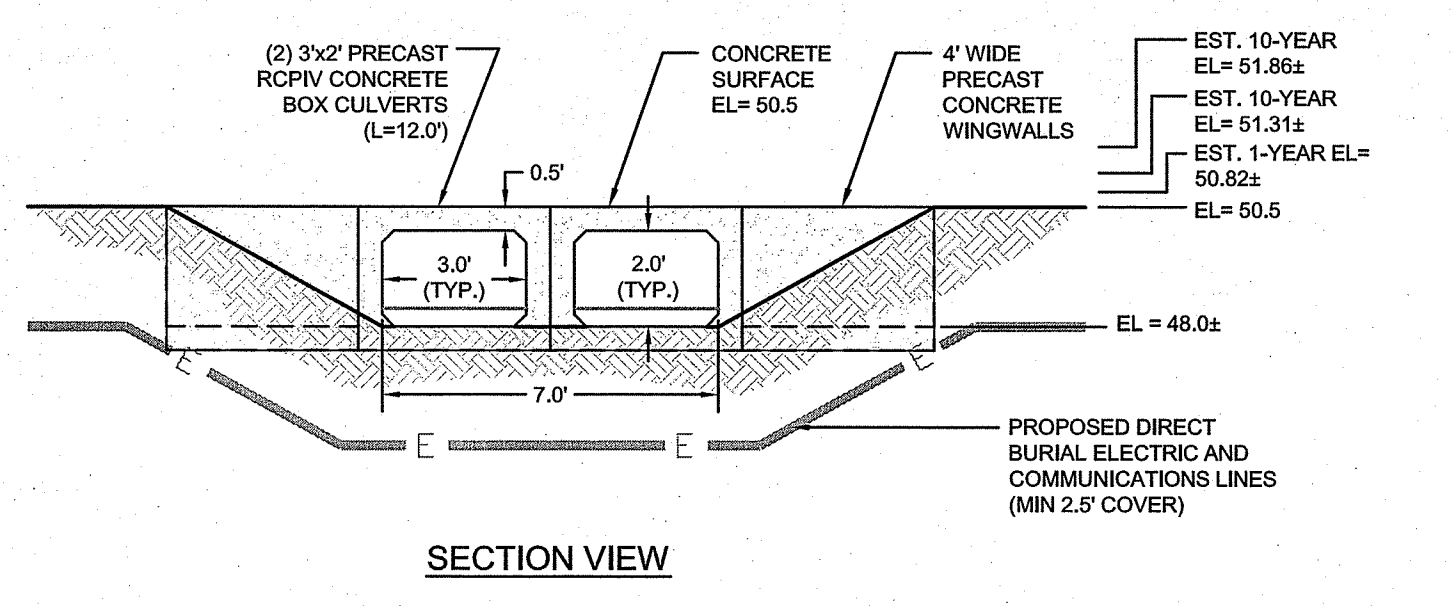
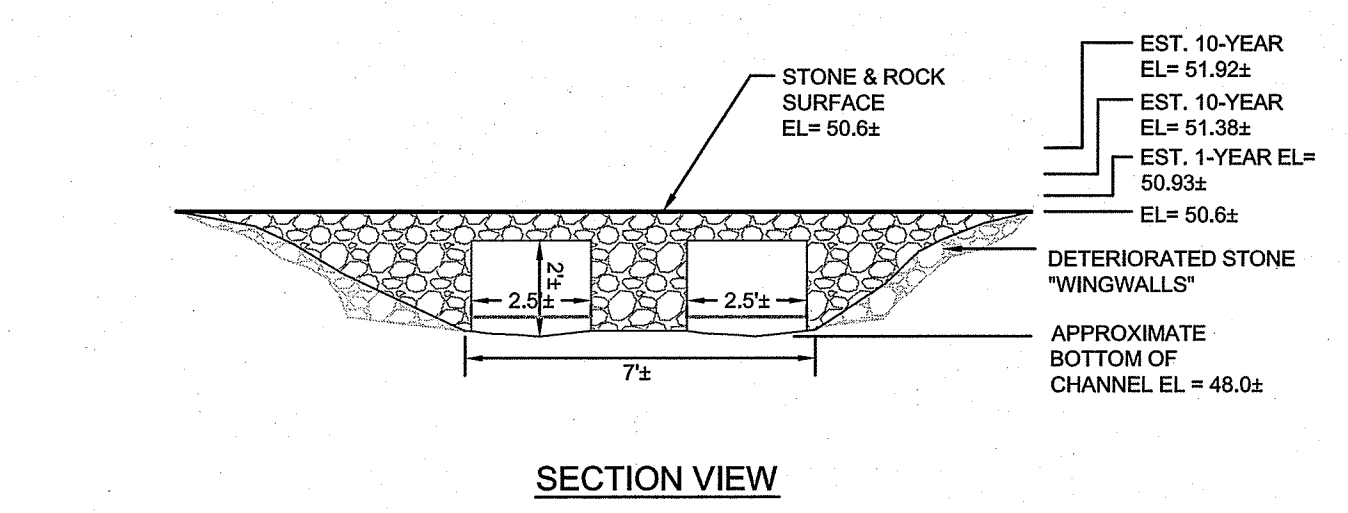
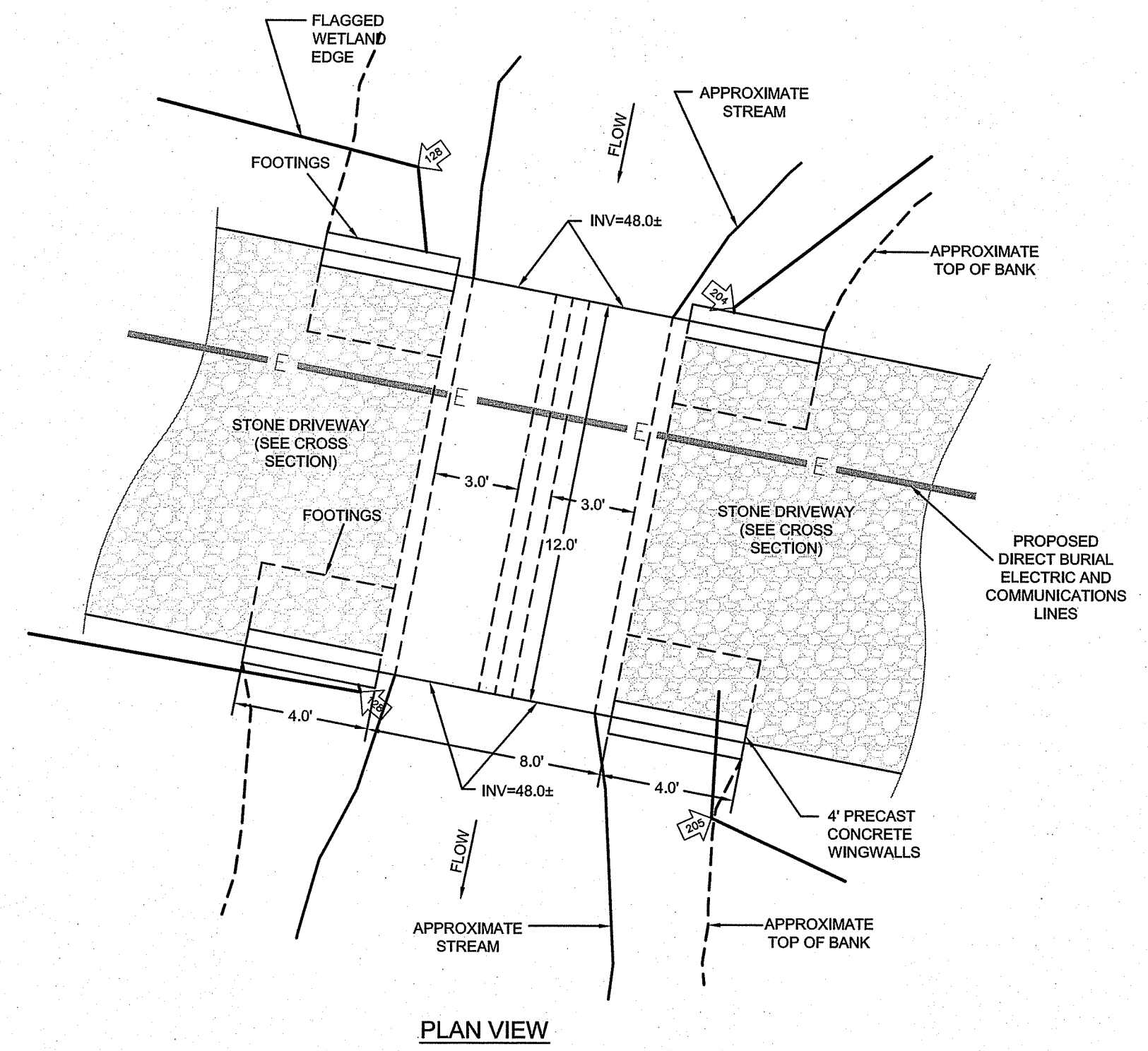
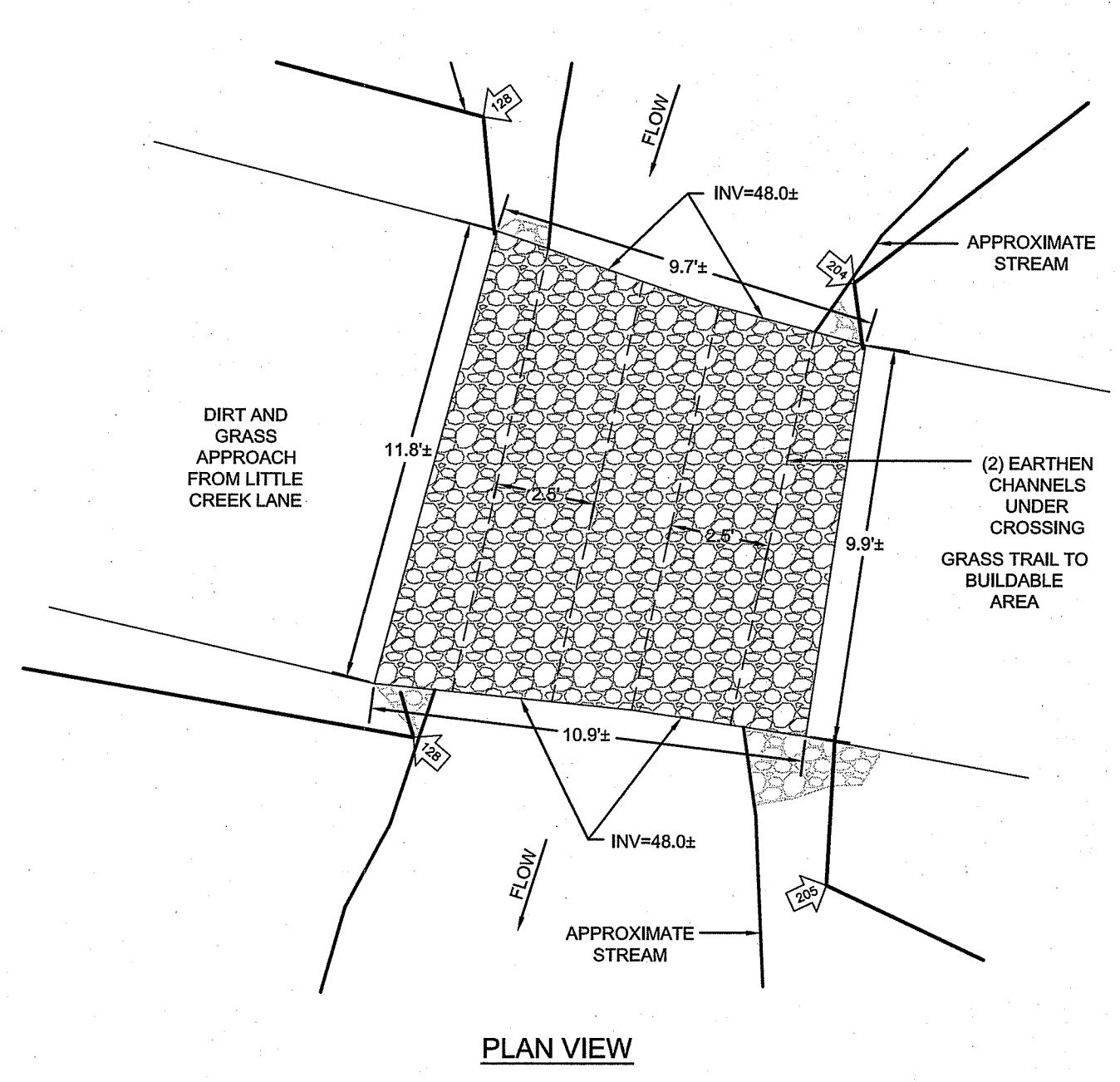
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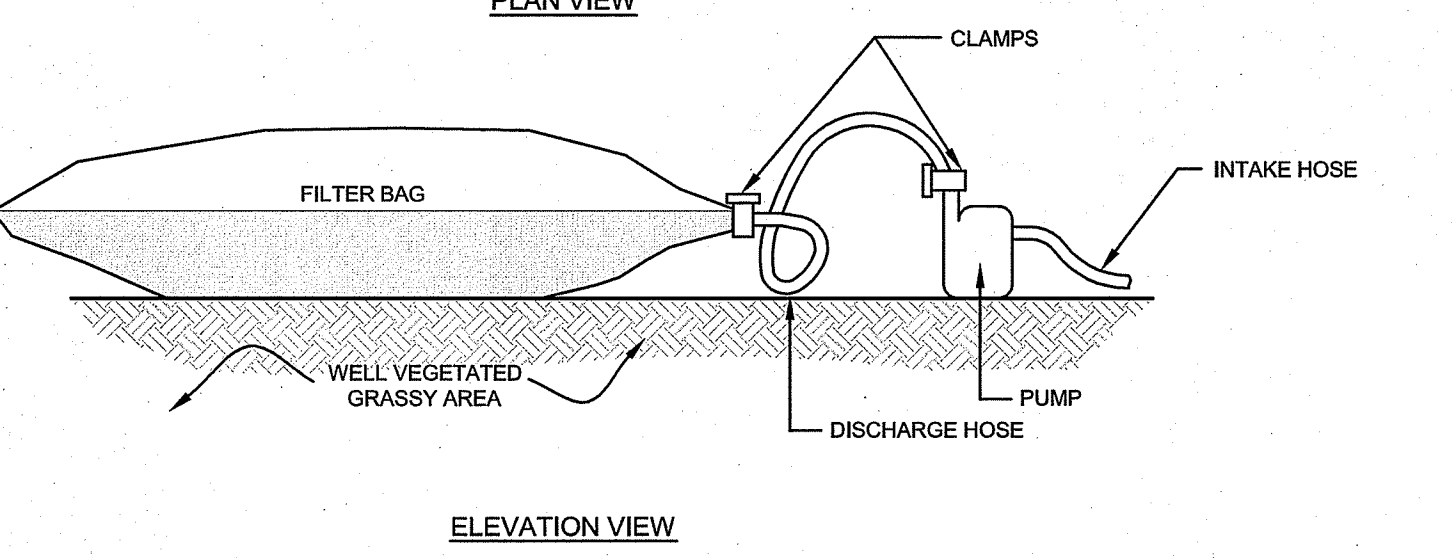
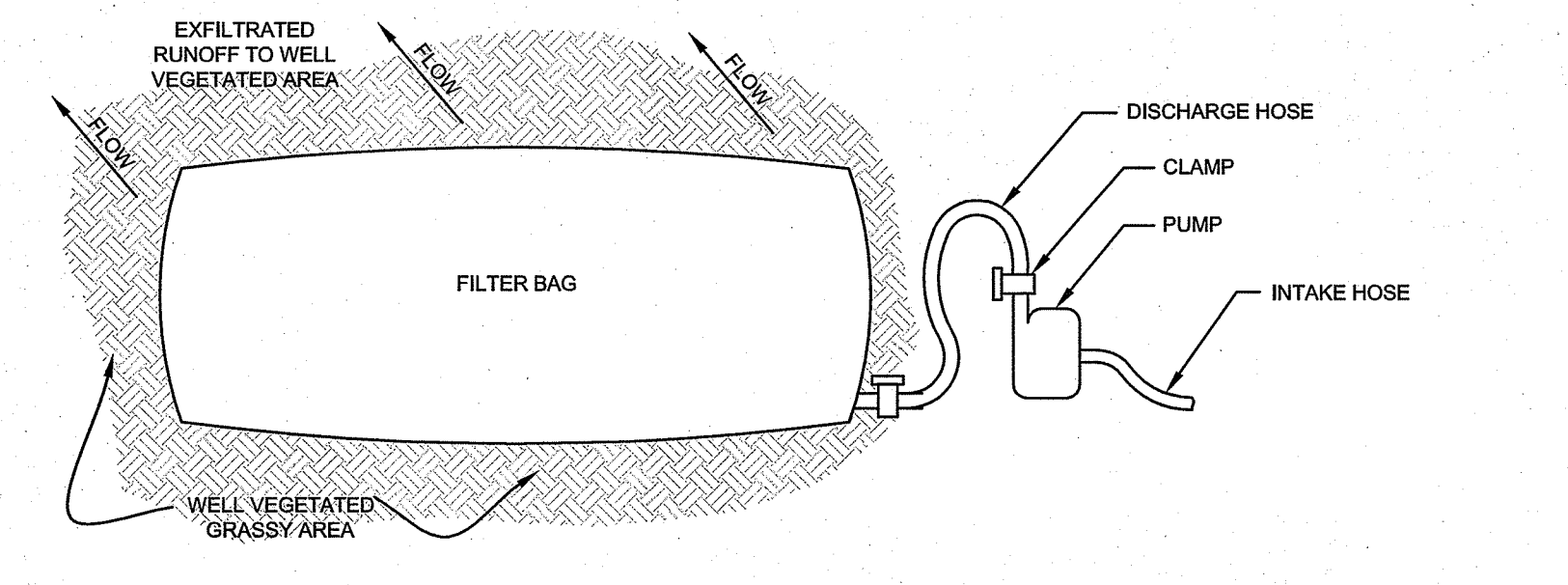
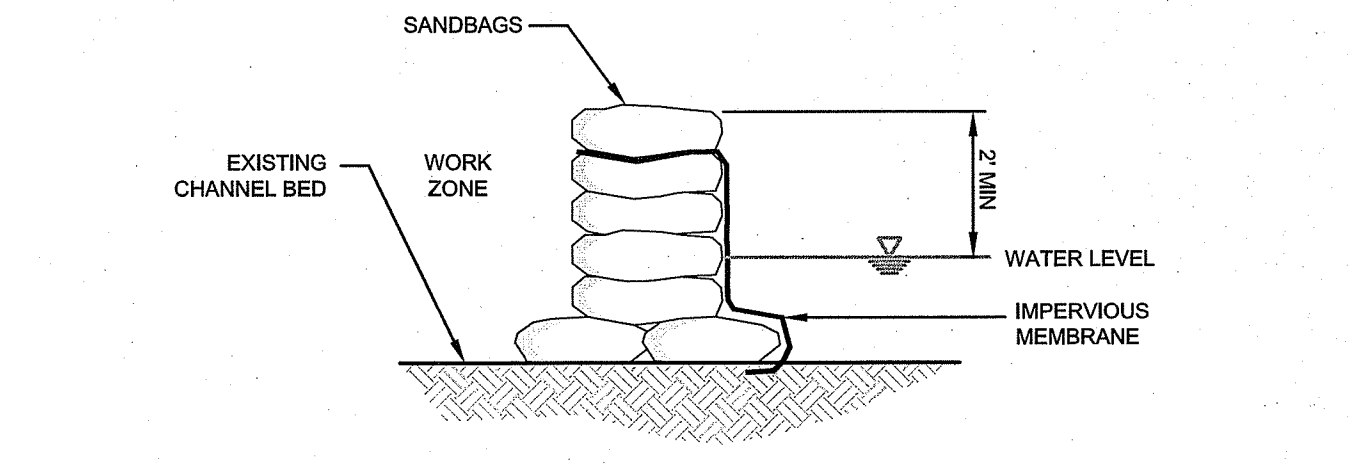
6 VALLEY ROAD MIDDLETOWN RHODE ISLAND 02842
PHONE (401) 849-0810 FAX (401) 846-4169
WWW.NORTHEASTENGINEERS.COM

- CROSSING CONSTRUCTION SEQUENCE:**
1. ESTABLISH UPLAND EROSION CONTROLS AS SHOWN ON THE SITE PLANS.
 2. ACCESS TO WORK AREA SHALL BE LIMITED TO THE LIMITS OF DISTURBANCE AS SHOWN ON THIS PLAN.
 3. NO HEAVY EQUIPMENT SHALL BE ALLOWED WITHIN THE LIMITS OF THE WATERWAY.
 4. SETUP DEWATERING AREA AS SHOWN UPSTREAM OF FLAGGED WETLANDS IN AN AREA OF ESTABLISHED VEGETATION.
 5. INSTALL ENERGY DISSIPATER ON SOUTH SIDE OF CROSSING.
 6. SETUP AND OPERATE WATER DIVERSION PUMPS AS SHOWN.
 7. INSTALL WATER CONTROL BARRIERS ON EITHER SIDE OF WORK.
 8. SETUP AND OPERATE DEWATERING PUMPS.
 9. REMOVE EXISTING CROSSING. REMOVED STONES SHALL BE STOCKPILED UPSTREAM ON THE EAST SIDE OF THE CROSSING. ALL OTHER DEBRIS SHALL BE REMOVED FROM SITE TO A LICENSED FACILITY.
 10. BEGIN TRENCHING OPERATIONS FOR ELECTRICAL AND COMMUNICATIONS CONDUIT AS SHOWN. DEWATERING AREA SHALL BE USED FOR EXCAVATED TRENCH MATERIAL.
 11. FOLLOWING CONDUIT INSTALLATION AND BACKFILL AND COMPACTION OF CLEAN, DRY MATERIAL, BOX CULVERT AND WINGWALLS SHALL BE INSTALLED.
 12. BACKFILL OF AREA BETWEEN WINGWALLS SHALL BE COMPACTED BANK RUN GRAVEL.
 13. REMOVE DEWATERING PUMPS.
 14. REMOVE DOWNSTREAM WATER BARRIER, FOLLOWED BY UPSTREAM BARRIER.
 15. REMOVE DIVERSION PUMPS AND ENERGY DISSIPATER.
 16. REMOVE DEWATERING AREA AND ANY REMAINING MATERIAL.



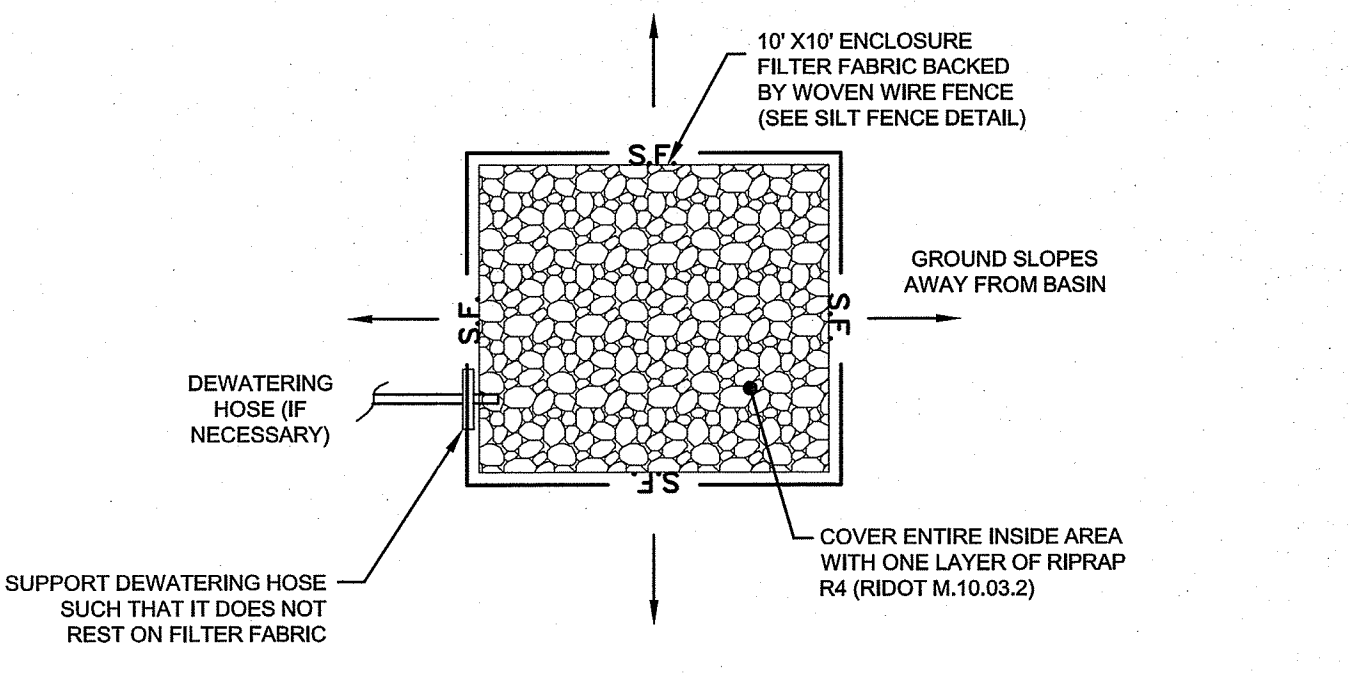
EXISTING CREEK CROSSING
SCALE: 1" = 4'

PROPOSED CREEK CROSSING
SCALE: 1" = 4'

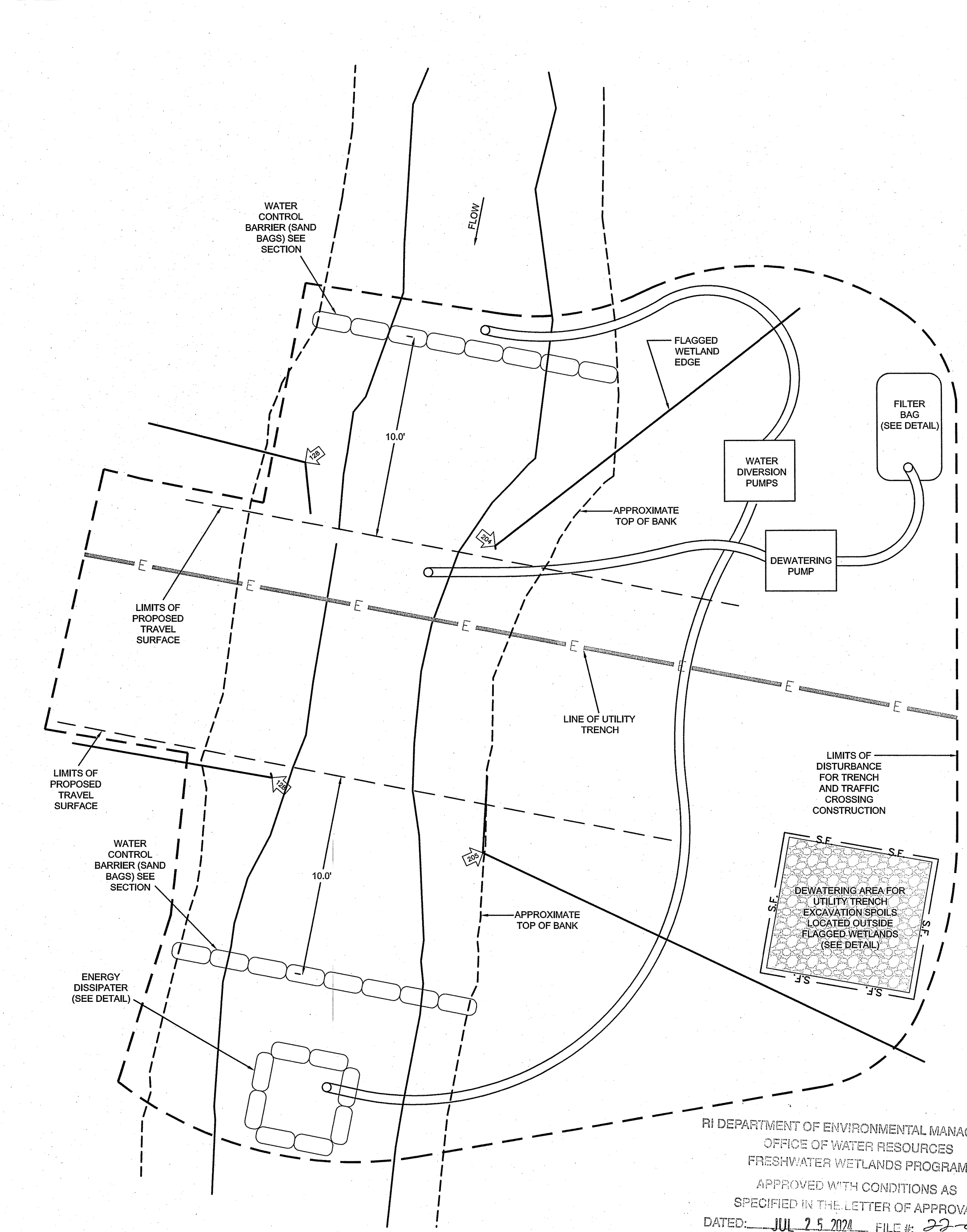


TEMPORARY DEWATERING AREA
SCALE: NOT TO SCALE

FILTER BAG DETAIL
SCALE: NOT TO SCALE

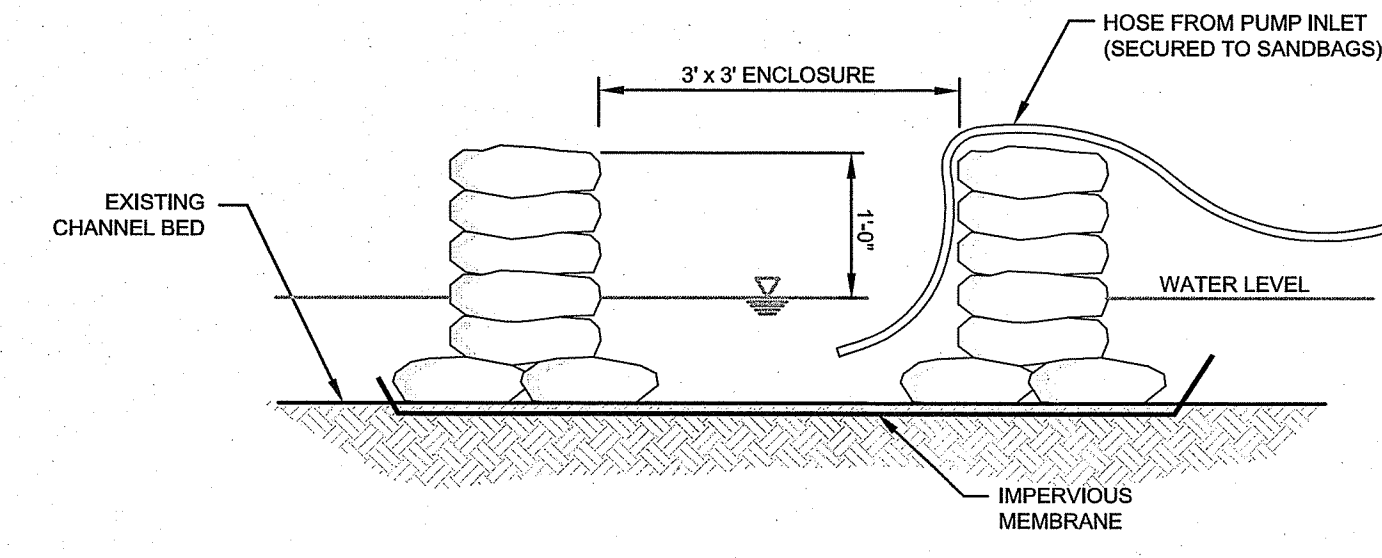


TEMPORARY DEWATERING AREA
SCALE: NOT TO SCALE



RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: JUL 25 2024 FILE #: 22-0317
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Antonia D. Wencel



No.	Revision	Date	App.
2	RIDEM REVISIONS	01JUN23	
1	RIDEM REVISIONS	31OCT22	

Designed By: JJR Drawn by: JJR Checked by: GES
Scale: AS SHOWN Date: 29MAR23

Project Title:
**A.P. 129, LOT 30
14 LITTLE CREEK LANE
MIDDLETOWN, RHODE ISLAND**

Client/Owner:
**BRYAN HOFFMAN
4 POPLAR STREET
WILMINGTON, MA 01887**

Issued for:
RIDEM

Drawing Title:
SESC DETAILS

Drawing Number:
C-5

Sheet **5** of **5**

Project Number:
21225.0

Survey Index:
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